# BBC News testing with Cypress in Headless mode

* **Webpage:** [**https://www.bbc.com/**](https://www.bbc.com/)
* **Write test cases (MS Word/Excel/Online tools) for scenarios and upload them to GitHub**
* **Test cases and how to test the scenarios is your responsibility and imagination. So be brave and think outside the box.**
* **Automate test cases (which can be automated, if not then argue why) with Cypress in headless mode.**
* Requirements for the task:
  + **It should work with the Jenkins pipeline.**
  + Test in headless mode.
  + Test cases should cover the main functionalities.
  + Use requirements.txt to set up your environment. The requerments.txt file should be committed to git. (or something similar)
  + Use function/classes (use wisely)
  + Try to split functions into different files (where it is logical to do so)
  + Create a Readme file with necessary information ([How to Write a Good README File for Your GitHub Project (freecodecamp.org)](https://www.freecodecamp.org/news/how-to-write-a-good-readme-file/))
* Make Logs. In the log must be tested step information (find a good balance between detail and abstraction)
  + Use Cypress logging features.
* Every logical comment left in PR by colleagues that you agree with should be addressed (by doing the recommended fix)
* **It is not allowed:** 
  + **Leaving fragments of non-own code that are difficult to explain.**
  + **Provide incomplete code, for delivery.**
  + **Respond live to the PR reviewer and do not edit the code after he explains the idea/context/...**
* **It is allowed:**
  + **Apply ideas for better code, more interesting tasks, etc. Be free to make it even better and funnier 😊.**

## Scenarios:

1. **Homepage Navigation:**
   * Verify that the BBC.com homepage loads and gets 200 status.
   * Verify that all navigation links (e.g., News, Sport, Weather) are clickable and lead to the respective sections.
   * Verify that the header and footer elements (e.g., logo, search bar, social media links) are present and functional.
2. **Homepage Rendering:**
   * Verify that the BBC.com homepage renders correctly on the latest version of Google Chrome.
   * Verify that the BBC.com homepage renders correctly on the latest version of Mozilla Firefox.
   * Verify that the BBC.com homepage renders correctly on the latest version of Microsoft Edge.
3. **Article Viewing:**
   * Verify that clicking on a news article headline takes the user to the full article page.
   * Verify that the article content displays correctly, including text, images, and multimedia elements.
   * Verify that users can navigate to related articles or sections from the article page.
4. **Responsive Design:**
   * Verify that the BBC.com webpage is responsive and displays correctly on various screen sizes and devices (e.g., 2\*desktop, 2\*tablet, 2\*mobile). – Check the most popular resolution on each type (Google it).
   * Verify that all content remains accessible and readable on smaller screens without horizontal scrolling.
5. **Video Playback:**
   * Verify that video content plays correctly when clicked.
   * Verify that users can control video playback (e.g., pause, play, volume control).
   * Verify that video quality adjusts appropriately based on the user's internet connection speed.
6. **Language Selection:**
   * Verify that users can select different language options from the language menu.
   * Verify that switching languages updates the content of the webpage to the selected language.
7. **Search Functionality:**
   * Verify that the search bar at the top of the page returns relevant results for user queries.
   * Verify that users can navigate to articles or sections directly from the search results.
8. **Newsletter Subscription:**
   * Verify that users can successfully subscribe to the BBC.com newsletter.